

UNIFIED COMMAND HEALTH AND SAFETY PLAN
REVISED 17 FEB 2019; SUPERSEDES PREVIOUS VERSION

Site Specific Health & Safety Plan (HASP)

Job Name: Lindsey Lake Tanker Spill (I-84, MP 54)
Job #: OERS#2019-0344; NRC#1237421
Date: 2/16/2019
Site Supervisor/IC James Collins, SOSOC, DEQ; Jeff Fowlow, FOSC, EPA; Rob Honsberger, HydroCon LLC, RP IC
Site Safety Officer Chuck Carver – NWFF

1. INTRODUCTION

This Site Specific Health & Safety Plan (HASP) sets forth policy and procedures that will minimize site-specific risks to workers, visitors and the public. This plan applies all workers on the incident. The procedures and guidelines contained here are based on the best available information at the time of the Plan preparation. Specific requirements in the Plan may be revised when new information is received or conditions change.

The site Safety Officer (SO) is responsible for informing all individuals on the job site of the contents of this plan and ensuring that each person signs it. By signing the Plan, individuals are acknowledging the presence of specific on-site hazards and the policies and procedures required to minimize exposure or adverse effects to these hazards. The policies and procedures contained here are crucial to the safe and effective conduct of all personnel on-site. This Plan has been drafted to meet all requirements of 29 CFR 1910.120

2. SITE DESCRIPTION

Location: I-84 near MP 54

Description: Manage and mitigate the response scene of a tanker truck roll-over which released an estimated 4,400 gallons of diesel fuel onto I-84, side slope of the west bound roadway and into Lindsey Lake. Be prepared and safe for challenging weather conditions.

U.S. EPA: Jeff Fowlow, (b) (6)

Oregon DEQ: Jamie Collins, (b) (6)

Contracting Company or Agency: NWFF

Contact Person and Phone Number: Shiloh McConnell, (b) (6)

Subcontracting Company: NRC

Contact Person and Phone Number: Chad Sisk (b) (6)

3. SCOPE OF WORK

Objective(s): Maintain boom placements within Lindsey Lake in order to prevent discharge of product to the Columbia River. Maintain sorbents in identified areas and replace as necessary. Follow on objective is to capture the contaminant for disposal.

Work Plan: NWFF and NRC will begin flushing water pulled from Lindsey Lake down the side slope of westbound I-84. As the product washes down the side slope, the material is expected to be contained within Lindsey Lake. Teams will be in boats with sorbent materials to capture the contaminant. There will be a 70-barrel vac truck staged on the road. A baker tank will be staged at Wyeth, to accept fluids from the 70-barrel. Two kayaks will be utilized to conduct field sampling and SCAT operations. Crews will hand excavate a trench near the toe of the slope to catch any fuel running down the bank. Air monitoring will take place during excavation activities. If VOC levels are determined sustained over the action limit of 10ppm, respiratory protection will be required in this zone.

4. ON-SITE ORGANIZATION AND COORDINATION

The following personnel are designated to carry out specific job functions on-site (Individuals may perform more than one job function).

Federal On-Scene Coordinator: Jeff Fowlow

State On-Scene Coordinator: Jamie Collins

Responsible Party Contact: Rob Honsberger

Safety Officer (SO): Alan Dimock

NWFF Project Manager (PM): Shiloh McConnell

NWFF Response Manager

(RM): NA

NWFF Foremen: Seth Williams

Specialist Employee: NA

HAZWOPER (40hr/80Hr) Technicians:

Cesar Monroy

Seth Williams

Glenn Thor

Alex Plawman

SUBCONTRACTORS: NRC

Chad Sisk

Daniel Holmes

Stan Jensen

The Unified Command has overall responsibility for all activities on-site including implementation of the safety plan. The Unified Command may delegate this function to the SO. The SO is responsible for ensuring that all work crews and individuals on the jobsite comply with all site safety and health requirements. If changes or further information is added, the SO is responsible for notifying **all** personnel. All on-site personnel are responsible for understanding and complying with all requirements put forth by the SO.

5. SITE CONTROL

Controlled boundaries will be established. The hot zone (the work area), the warm zone (the decon area) and the cold zone (rehab and command area) will be designated by:

Hot zone – roadway and lake within the first containment boom

Warm zone- area between first and second booms

Cold zone- work area and decon

6. TRAINING AND DOCUMENTATION

In compliance with 29 CFR 1910.120 all on-site personnel receive a minimum of forty hours of training on safe work practices at hazardous waste sites. Annually thereafter, all field employees receive eight hours of refresher training on the following topics:

Regulatory Compliance (OSHA, EPA, DOT)

Environmental Monitoring/Sampling

Noise

Toxicology

Heat/Cold Stress

Flammable

Drum Handling

Corrosives/Reactives

Confined Space

Respiratory

Protection

Decontamination

Protective Clothing

Site Safety Plans

Medical Surveillance

Contingency Plans

Team leaders and supervisors receive a minimum of eight hours training on safe management of hazardous waste sites. All training complies with 29 CFR 1910.120.

Site-specific training is held at the beginning of each job. A record of this training and all operations is kept on the job site. Safety briefings are held before work commences on any job for all personnel. If operations continue for more than one day, safety briefings will be held at the beginning of each shift.

7. MEDICAL SURVEILLANCE

Pre-employment and periodic medical examinations are required for persons working at hazardous waste sites. The medical examination must have been within a twelve-month period prior to on-site activities and repeated at least every other year. A licensed physician must issue a written opinion that the worker is fit for duty for hazardous waste site work and respirator wear. Workers are informed of their right of accessibility to their medical records.

8. HAZARD AND RISK ANALYSIS

Chemicals	_____x_____	Heavy Equipment	_____x_____
Confined Space	_____	Heat	_____
Flammability	_____x_____	Cold	_____x_____
Reactivity	_____	Drums	_____
Terrain	_____x_____	Oxygen Deficiency	_____x_____
Electrical	_____	Corrosivity	_____
Noise	_____	Altitude	_____
Radiation	_____	Wildlife	_____x_____
Ergonomics	_____x_____	Drilling	_____
Excavation	_____	Biological Agent	_____
Explosives	_____	Vehicles	_____x_____
Other – Small	Boat/Kayak Ops	Other -	_____
boats/Kayaks		Marine/SCAT Ops	

SDS, if available, is attached at the end of the safety plan with pertinent information highlighted, including: Threshold Limit Values (TLV), Short Term Exposure Limits (STEL), signs, symptoms and routes of possible exposure.

Site Specific Physical Hazard Evaluation		
Task	Potential Hazard	Engineering/Abatement Control (if applicable)
Monitoring	Slip, trip, fall	Pay attention to surroundings. Depending on temperature and time of day, walking surfaces could be frozen.
Road Flush Operations	Highway/Street Traffic	Work from curb side and be aware of street traffic. High Visibility clothing should be worn Personnel in vehicles and lane closure only
All	Cold Weather/Exposure	Do not stay outside longer than necessary. Rotate workers into warmth. Use buddy system. Drink plenty of fluids, especially warm, non-caffeinated fluids. Be prepared to change out wet footwear and clothing.
Flush Operations/Site Monitoring	Driving in hazardous road conditions (snow/ice)	<u>General (from AAA):</u> <ul style="list-style-type: none"> • Drive slowly. ... • Accelerate and decelerate slowly. ... • Increase your following distance to five to six seconds. ... • Know your brakes. • Don't stop if you can avoid it. • Don't power up hills. • Don't stop going up a hill.
Product Collection/Boom Operations/Sampling	Working on water	<ul style="list-style-type: none"> • Wear personal flotation device • Be prepared to change wet clothing or footwear.
Boom Operations/Product Collection	Working near water	<ul style="list-style-type: none"> • Wear a personal flotation device. • Tie off to a fixed surface such as a tree or guard rail. • Be prepared to change wet clothing or footwear.
Product	Working below grade	<ul style="list-style-type: none"> • Be aware of oxygen levels, LEL, and PID

Collection/Boom Operations/Sampling		readings when working below grade such as in roadway ditches.
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Emergency Water Retrieval: In the event of personnel falling into the water, each boat will be equipped with ropes for emergency retrieval, personnel will be moved to the decon site for wipe down followed by first aid evaluation. If hypothermia or severe injury is noted, emergency services will be called and the person will be taken out of wet clothing and provided warming blankets until emergency services arrives. If the individual does not show signs of need for emergency services, the person will go through decon, will be moved to the command area at Viento State Park for wet clothing removal and warm shower. The individual will remain in the warming area for monitoring.

9. AIR MONITORING

4 Gas Air Monitor- continuous / hourly / daily / other

Indicator_____

Calibrated with_____

Photo Ionization Detector (PID) - continuous / hourly / other

Indicator UltraRae x2_____

Calibrated with: one with benzene 5 ppm/ one with isobutylene 100 ppm_____

Specialized Monitoring Equipment Site Specific

10. PERSONAL PROTECTIVE EQUIPMENT

Based on the evaluation of potential hazards, the following levels of Personal Protective Equipment (PPE) have been designated for the applicable work areas and/or tasks.

Location	Level of PPE
Hot Zone	Level C to begin, based on air monitoring, if sustained readings are less than 10ppm, PPE can be downgraded to level D
Warm Zone	Level D to begin, if needed based on air monitoring, upgrade to Level C
Cold Zone	Level D

Specific protective equipment for each level of protection is as follows:

LEVEL A: Vapor proof fully encapsulating suit with SCBA.

LEVEL B: Non-vapor proof fully encapsulating suit with SCBA.

LEVEL C: Level D indicators with respirator.

LEVEL D: Chest waders, PFD

11. DECONTAMINATION PROCEDURES

All personnel and all equipment leaving the hot zone shall be decontaminated. The following decontamination methods and stations will be used: Wipe down with Sorbent pads, personal shower follow up as needed.

12. CONTINGENCY AND EMERGENCY SPILL RESPONSE PLAN

The HASP provides specific actions to analyze, containerize, and remediate materials on a site and chemical-specific basis. The Emergency Spill Response Contingency Plan identifies and defines procedures for further releases of these materials.

The purpose of the Emergency Spill Response Contingency Plan is to provide site-specific planning and procedures in the event of any release of hazardous materials and/or wastes.

Our Site Safety and Work Plan provides a final section where materials to be remediated, containerized, analyzed, or transported are identified with specific methods for response to further releases. For example, plugging and patching, use of appropriate absorbants, and overpacking protocols are all in place in the event of a breach of a 55-gallon drum during the course of work. These protocols are identical to standard emergency spill response and remediation protocols currently in place for all operations.

13. Medical Emergencies

Closest Hospital:

Cascade Locks, Oregon 97014 to Providence Hood River Memorial Hospital (map is attached)

The SO shall be notified of any on-site emergency and will be responsible for ensuring that all appropriate procedures are followed. The SO may delegate this responsibility to the assigned medical officer on the job site. Upon notification of an injury on the job site, the SO or medical officer will evaluate the nature of the injury. Appropriate medical treatment will be provided at that time. **All** incidents involving injury, possible injury or exposure must be reported to the SO, regardless of how minor they appear.

In the event of an emergency on the job site, orders may be given to clear the hot zone if needed. In addition, an air horn will blow the evacuation signal: three blasts. All workers in the hot zone will proceed to the decon area for further instructions. When an on-site emergency results in evacuation of the hot zone, personnel will not re-enter that area until:

1. Conditions resulting in the emergency have been corrected.
2. All hazards have been re-assessed.
3. The safety plan has been reviewed.
4. Site personnel have been briefed on changes in the safety plan.

Basic Life Support (BLS) trauma kit is present at every response. The BLS kit can be found in contractor vehicles and trailers.

14. LINES OF COMMUNICATION

On the job communication will be done with hand-held, portable radios, previously agreed upon hand signals or face-to-face communication. The PM and SO will each carry a radio at all times. At least one radio will be provided for each team. The normal working frequency will be channel 1. If possible, line-of-sight vision will be kept at all times between the workers in the hot zone and the PM or SO.

SITE SAFETY PLAN ACKNOWLEDGEMENT

All personnel on-site have read the safety plan and are familiar with its provisions.

Job Name: _____ Date: _____

[illegible]

SITE SAFETY PLAN ACKNOWLEDGEMENT

All personnel on-site have read the safety plan and are familiar with its provisions.

Job Name: _____ Date: _____

[illegible]



Vietnam Veterans Memorial Highway, Drive 15.9 miles, 20 min
 Cascade Locks, OR 97014 to Providence Hood River Memorial
 Hospital



Imagery ©2019 Google, Map data ©2019 Google

5000 ft

Vietnam Veterans Memorial Highway

Cascade Locks, OR 97014



1. Head west toward I-84 W

47 s (0.1 mi)

Follow I-84 W to US-30 E in Hood River. Take exit 62 from
 I-84 E/US-30 E

14 min (14.2 mi)



2. Merge onto I-84 W

3.0 mi



3. Take exit 51 toward Wyeth

0.2 mi



4. Turn left

243 ft



5. Turn left to merge onto I-84 E/US-30 E

10.9 mi





6. Take exit 62 for US-30/Westcliff Drive toward W
 Hood River


0.2 mi



Continue on US-30 E to your destination

5 min (1.5 mi)

-  7. Turn right onto US-30 E

1.2 mi
-  8. Turn right onto 13th St

397 ft
-  9. Keep left to stay on 13th St

0.2 mi
-  10. Turn left
 Destination will be on the right

177 ft

Providence Hood River Memorial Hospital

810 12th St, Hood River, OR 97031

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.